WHAT IS CLAIMED IS:

- 1.) A polymer system comprising:
 - A.) an anionic polymer selected from the group consisting of
 - (i) anionic polymers comprising;
 - a.) a first moiety derived from monoethylenically unsaturated C₃-C₈ monomers comprising at least one carboxylic acid group, salts of such monomers, and mixtures thereof; and
 - b.) a second moiety selected from the group consisting of:
 - (1) moieties derived from modified unsaturated monomers having the formulae R Y L and R Z wherein:
 - i.) R is selected from the group consisting of $C(X)H=C(R^1)$ wherein R^1 is H, or C_1 - C_4 alkyl; and X is H, CO_2H , or CO_2R_2 wherein R_2 is hydrogen, alkali metals, alkaline earth metals, ammonium and amine bases, saturated C_1 - C_{20} alkyl, C_6 - C_{12} aryl, and C_7 - C_{20} alkylaryl;
 - ii.) Y is selected from the group consisting of -CH₂-, -CO₂-, -OCO-, and -CON(R^a)-, -CH₂OCO-; wherein R^a is H or C₁-C₄ alkyl;
 - iii.) L is selected from the group consisting of hydrogen, alkali metals, alkaline earth metals, ammonium and amine bases, saturated C₁-C₂₀ alkyl, C₆-C₁₂ aryl, and C₇-C₂₀ alkylaryl; and
 - iv.) Z is selected from the group consisting of C_6 - C_{12} aryl and C_7 - C_{12} arylalkyl; and
 - (2) moieties having the formula J-G-D wherein:
 - i.) J is selected from the group consisting of C(X)H=C(R₁)- wherein R₁ is H, or C₁-C₄ alkyl; X is H, CO₂H, or CO₂R₂ wherein R₂ is hydrogen, alkali metals, alkaline earth metals, ammonium and amine bases, saturated C₂-C₂₀ alkyl, C₆-C₁₂ aryl, C₇-C₂₀ alkylaryl;

- ii.) G is selected from the group consisting of C₁-C₄ alkyl, -O-, -CH₂O-, -CO₂-.
- iii.) D is selected from the group consisting of
 - -CH₂CH(OH)CH₂O(R³O)_dR₄;
 - -CH₂CH[O(R³O)_dR⁴]CH₂OH;
 - -CH₂CH(OH)CH₂NR⁵(R³O)_dR⁴;
 - -CH₂CH[NR⁵(R³O)_dR⁴]CH₂OH, and mixtures thereof; wherein

 R^3 is selected from the group consisting of ethylene, 1,2-propylene, 1,3-propylene, 1,2-butylene, 1,4-butylene, and mixtures thereof; R^4 is a capping unit selected from the group consisting of H, C_1 - C_4 alkyl, C_6 - C_{12} aryl and C_7 - C_{20} alkylaryl;

 R^5 is selected from the group consisting of H, C_1 - C_4 alkyl C_6 - C_{12} aryl and C_7 - C_{20} alkylaryl; and subscript index d is an integer from 1 to 100.

(ii) graft co-polymers comprising a first moiety derived from monoethylenically unsaturated C₃-C₈ monomers comprising at least one carboxylic acid group, salts of such monomers, and mixtures thereof, said first moieties being grafted onto a C₁-C₄ carbon polyalkylene oxide,

and mixtures thereof; and

- B.) a modified polyamine polymer selected from the group consisting of
 - (i) modified polyamines having the formulae

$$v_{(n+1)} w_m Y_n Z \quad \text{or} \quad v_{(n-k+1)} w_m Y_n Y_k^{'} Z$$

wherein m is an integer from 0 to about 400; n is an integer from 0 to about 400; k is less than or equal to n wherein

a.) V units are terminal units having the formula:

b.) W units are backbone units having the formula:

c.) Y and Y' units are branching units having the formula:

d.) Z units are terminal units having the formula:

wherein:

R units are selected from the group consisting of C_2 - C_{12} alkylene, C_4 - C_{12} alkenylene, C_3 - C_{12} hydroxyalkylene, C_4 - C_{12} dihydroxy-alkylene, C_8 - C_{12} dialkylarylene, - $(R^1O)_xR^1$ -, - $(R^1O)_xR^5(OR^1)_x$ -, - $(CH_2CH(OR^2)CH_2O)_z$ - $(R^1O)_yR^1(OCH_2CH(OR^2)CH_2)_w$ -, - $C(O)(R^4)_rC(O)$ -, - $CH_2CH(OR^2)CH_2$ -, and mixtures thereof; wherein

 R^1 is $C_2\text{-}C_3$ alkylene and mixtures thereof; $R^2 \text{ is hydrogen, -(R}^1O)_{x}B, \text{ and mixtures thereof;}$ wherein at least one B is selected from the group consisting of -(CH₂)_q-SO₃M, -(CH₂)_pCO₂M, -(CH₂)_q(CHSO₃M)CH₂SO₃M, -(CH₂)_pPO₃M, -PO₃M, and mixtures thereof, and any remaining B moieties are selected from the group consisting of hydrogen, C₁-C₆ alkyl, -(CH₂)_q-SO₃M, -(CH₂)_pCO₂M, -(CH₂)_q(CHSO₃M)CH₂SO₃M, -(CH₂)_q-(CHSO₂M)CH₂SO₃M, -(CH₂)_pPO₃M, -PO₃M, and mixtures thereof;

 R^4 is C_1 - C_{12} alkylene, C_4 - C_{12} alkenylene, C_8 - C_{12} arylalkylene, C_6 - C_{10} arylene, and mixtures thereof; R^5 is C_1 - C_{12} alkylene, C_3 - C_{12} hydroxy-alkylene, C_4 - C_{12} dihydroxyalkylene, C_8 - C_{12} dialkylarylene, -C(O)-, - $C(O)NHR^6NHC(O)$ -, - $R^1(OR^1)$ -, - $C(O)(R^4)_fC(O)$ -, -

CH₂CH(OH)CH₂-, -CH₂CH(OH)CH₂O(R¹O)_yR¹-OCH₂CH(OH)CH₂-, and mixtures thereof; R⁶ is C₂-C₁₂ alkylene or C₆-C₁₂ arylene;

X is a water soluble anion; provided at least one backbone nitrogen is quaternized or oxidized

E units are selected from the group consisting of hydrogen, C_1 - C_{22} alkyl, C_3 - C_{22} alkenyl, C_7 - C_{22} arylalkyl, C_2 - C_{22} hydroxyalkyl, - $(CH_2)_pCO_2M$, - $(CH_2)_qSO_3M$, - $CH(CH_2CO_2M)$ - CO_2M , - $(CH_2)_pPO_3M$, - $(R^1O)_xB$, - $C(O)R^3$, and mixtures thereof; provided that when any E unit of a nitrogen is a hydrogen, said nitrogen is not also an N-oxide;

 R^1 is C_2 - C_3 alkylene and mixtures thereof; R^3 is C_1 - C_{18} alkyl, C_7 - C_{12} arylalkyl, C_7 - C_{12} alkyl substituted aryl, C_6 - C_{12} aryl, and mixtures thereof; at least one B is selected from the group consisting of -(CH₂)_q-SO₃M, -(CH₂)_pCO₂M, -(CH₂)_q(CHSO₃M)CH₂SO₃M, -(CH₂)_q-(CHSO₂M)CH₂SO₃M, -(CH₂)_pPO₃M, -PO₃M, and mixtures thereof, and any remaining B moieties are selected from the group consisting of hydrogen, C_1 - C_6 alkyl, -(CH₂)_q-SO₃M, -(CH₂)_pCO₂M, -(CH₂)_q(CHSO₃M)CH₂SO₃M, -(CH₂)_q-(CHSO₂M)CH₂SO₃M, -(CH₂)_p-Q₃M, -(CH₂

M is hydrogen or a water soluble cation in sufficient amount to satisfy charge balance; and

wherein the values for the following indices are as follows: subscript index p is an integer from 1 to 6; subscript index q is an integer from 0 to 6; subscript index r has the value of 0 or 1; subscript index w has the value 0 or 1; subscript index x is an integer from 1 to 100; subscript index y is an integer from 0 to 100; and subscript index z has the value 0 or 1.

(ii) modified polyamines having formula (I):

- a.) R is C₆-C₂₀ linear or branched alkylene, and mixtures thereof;
- b.) X is an anion present in sufficient amount to provide electronic neutrality;
- c.) n and subscript index n have equal values and are integers from 0 to 4:
- d.) R¹ is a capped polyalkyleneoxy unit having formula:

$$-(R^2O)_x-R^3$$

wherein R^2 is C_2 - C_4 linear or branched alkylene, and mixtures thereof; subscript index x has a value from about 1 to about 50; at least one R^3 moiety is an anionic capping unit, with the remaining R^3 moieties being selected from the group comprising hydrogen, C_1 - C_{22} alkylenearyl, an anionic capping unit, a neutral capping unit, and mixtures thereof;

e.) at least one Q moiety, is a hydrophobic quaternizing unit selected from the group comprising C₇-C₃₀ substituted or unsubstituted alkylenearyl, and mixtures thereof, any remaining Q moieties are selected from the group comprising lone pairs of electrons on the unreacted nitrogens, hydrogen, C₁-C₃₀ substituted or unsubstituted linear or branched alkyl, or C₃-C₃₀ substituted or unsubstituted cycloalkyl, and mixtures thereof;

and mixtures thereof.

2.) The polymer system of Claim 1 wherein said modified polyamine polymer is selected from the group consisting of polymers having the following formulae:

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$$\begin{array}{c} (CH_{2}CH_{2}O)_{20}SO_{3}^{\Theta} \\ (CH_{2}CH_{2}O)_{20}H \\ + (CH_{2}CH_{2}O)_{20}H \\ \times \\ X \cdot \\ \end{array} \\ \begin{array}{c} (CH_{2}CH_{2}O)_{20}H \\ \times \\ X \cdot \\ \end{array} \\ \begin{array}{c} (CH_{2}CH_{2}O)_{20}H \\ \times \\ \end{array} \\ \\ (CH_{2}CH_{2}O)_{20}H \\ \times \\ \end{array} \\ \\ \end{array} \\ ,$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$H[OCH_{2}CH_{2}]_{20}$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$H[OCH_{2}CH_{2}]_{20}$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

$$[CH_{2}CH_{2}O]_{20}H$$

and mixtures thereof.

3.) A cleaning composition comprising the polymer system of Claim 1

4.) A method of cleaning a situs comprising contacting said situs, or a soiled portion thereof, with the cleaning composition of Claim 3 or a diluted solution comprising the cleaning composition of Claim 3 and then optionally washing, followed by optionally rinsing said situs.